**Mobile UI Design Generation**

In this project, we leverage free Large Language Models (LLMs) like flan-t5 and Stable Diffusion to automatically generate mobile UI designs from textual descriptions. This project demonstrates how AI models can be utilized to streamline the creative process in mobile app design, making it faster and easier for developers and designers.

**Programming Language:** Python

**Libraries:** Hugging Face transformers (for the LLM)

Hugging Face diffusers (for Stable Diffusion)

**Environment Setup:** pip install transformers diffusers torch torchvision

from transformers import T5Tokenizer, T5ForConditionalGeneration

Generating Text Prompts

Image Generation

**Conclusion:**

The project successfully demonstrates the integration of free, open-source models to automate mobile UI design generation based on textual descriptions. The ability to generate UI designs from simple descriptions could aid in rapid prototyping and brainstorming in the early stages of mobile app development.